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lustrate Prof. Cope's paper on the brain of *Coryphodon Elephantopus*.

Mr. E. K. Price offered the following resolution which was seconded and passed:

Resolved, That since by the death of Messrs. Durand, Trego and Guillou, there are three vacancies in the Committee on the Michaux Legacy, that said vacancies be now filled by new appointments.

Mr. Joseph P. Townsend, Mr. Aubrey H. Smith, and Mr. W. M. Tilghman, nominated respectively by Mr. Price, Dr. Cresson and Mr. J. S. Price, were elected to fill the vacancies.

Mr. E. K. Price offered the following resolution, which was seconded and passed:

Resolved, That the Committee on the Michaux Legacy be authorized to consider and report to the Society, from time to time, what appropriations should be made of the residue of the income of that Legacy, so that the purposes of his will may be faithfully executed.

Dr. Barker having explained that Prof. Draper, elected member of this Society in 1844, had never received copies of the Proceedings, and there being no likelihood that the Society would incur at present the expense of reprinting the exhausted numbers of the series, it was moved and adopted that the Secretaries be authorized to make an exception specially in his case, and take one of the twenty reserved sets, from the beginning, and present it to Prof. Draper.

Pending nominations number 830 to 834, 835, and new nomination 836 were read.

And the meeting was adjourned.

Stated Meeting, April 20th, 1877.

Present, 15 members.

Vice-President, Mr. FRALEY, in the Chair.

Letters of envoy were received from the Austrian Academy, Vienna, November 1, 1876.

Letters of acknowledgment were received from the Royal Society, Edinburgh, Dec. 1876 (XV, ii, 94, 95); and the McGill University, Montreal, April 5, 1876.

Donations for the Library were received from the Austrian Academy, many volumes of the Novara Expedition; the Royal Society, Melbourne; the Geographical Society and *Revue Politique*, Paris; Lord Lindsay (Editor of the *Dunn Observatory Observations*), and *London Nature*; the Royal Edinburgh Society; Essex Institute; White Mountain Alpine Club (Appalachia), Boston; Antiquarian Society, Worcester; *American Chemist*; A. N. Williamson, M. D., New York; Buffalo Society of Natural Sciences; *A. Journal Medical Sciences*; *Medical News*; *Penn Monthly*; Committee of National Centennial Celebration, Philadelphia; U. S. Department of the Interior; and the *Botanical Gazette*, Hanover, Indiana.

The death of a member, Dr. Alexander Braun, at Berlin, March 29, 1877, aged 71, was announced by a circular family letter.

Mr. Britton exhibited specimens of lignite and peat, and pressed fuel from peat manufactured in the State of New York, and read a paper explanatory of the process and value of the fuel, with analyses made in his own laboratory.

Several written communications handed to the Secretary for presentation to the American Philosophical Society, by the Rev. J. L. Gross, were read by title by the Secretary.

Professor Frazer read a communication of facts which he had observed in his survey of York and Adams Counties, Pennsylvania, and discussed the views of Prof. H. D. Rogers and others respecting the cause of the general north-west dip of the New Red and of the origin of the magnetic and specular iron ore beds of the New Red and of the Azoic rocks of the South Mountains, insisting specially upon one point, viz.: that parallel straight lines about N. 20 E. may be drawn through all the ore banks of any consequence, irrespective of their habitat in the two formations; a fact which seems to make the ores common to both by some law not yet

discovered. He presented for the examination of the members in support of this fact, one of the recently published maps of his district.

Pending nominations, Nos. 830 to 836 and new nominations Nos. 837 and 838 were read.

Pending nominations, Nos. 830 to 835 were spoken to and balloted for.

The Resolutions of Prof. Frazer to recommend the addition of metric units to English units in papers prepared by members for publication; and Dr. Roger's amendment to order the conversion of metric units when used into English units, postponed from March 16, 1876, were called up, debated at much length, and not agreed to.

The ballot boxes being scrutinized by the presiding officer, the following persons were declared duly elected members of this Society.

830. Prof. Henry Draper, M. D., of New York City.

831. Dr. J. T. Rothrock, Prof. Botany, University, Pa.

832. Mr. James Douglass of Phoenixville, Pa.

833. Prof. J. J. Stevenson, University of New York, and Assistant Geologist Second Geological Survey of Pennsylvania.

834. Dr. George R. Moorhouse, of Philadelphia.

835. Dr. T. B. Reed, of Philadelphia.

And the Society was adjourned.

Stated Meeting, May 4th, 1877.

Present 16 members.

Vice-President, Mr. PRICE, in the Chair.

Mr. H. Armitt Brown, a newly elected member was introduced to the presiding officer and took his seat.

Letters accepting membership were received from Prof. J. J. Stevenson, 314 West Thirtieth Street, New York, April